CHAPTER 4

Troubleshooting the Cisco 1005

This chapter describes how to troubleshoot the Cisco 1005 router by referring to the LEDs on the front panel.

The LEDs indicate the current operating condition of your router. You can observe the LEDs, note any fault conditions that the router is encountering, and then contact your system administrator, if necessary.

Figure 4-1 LEDs

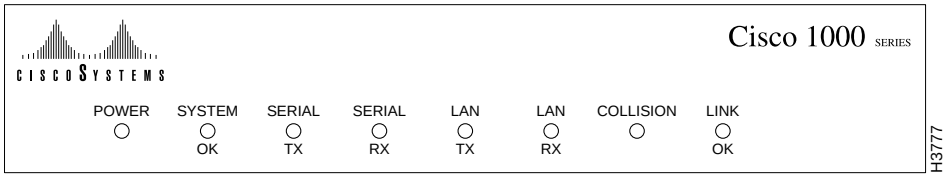

Table 4-1 describes the LEDs on the Cisco 1005 router.

Table 4-1 LEDs

LED	State	Description
Power	On steadily	12 VDC is being supplied to the router.
	Off	Power is not reaching the router. Verify that the power supply is plugged into the wall receptacle, and that the cable from the power supply to the router is connected.
System OK	On steadily	The router has passed the power-on diagnostic tests and is working properly.
	Blinking once per second	The system LED will blink while running its startup diagnostics and will then go on steadily. If the blinking continues after the startup sequence, it indicates that you are in ROM monitor mode.
	Blinking six times per second	The system is in the boot process. The blinking should change as the system boot condition changes.
	Off	An error has occurred. Disconnect the power cord, and then reconnect it to re-establish power to your router. If the LED remains off, contact your system administrator.
Serial TX and Serial RX	Flickering	The serial WAN connection is transmitting and receiving data normally.
	Off	The serial WAN connection is not transmitting and receiving data normally. Check the serial cable connection.
LAN TX and LAN RX	Flickering	The Ethernet LAN connection is transmitting and receiving data normally.
	Off	The Ethernet LAN connection is transmitting and receiving data normally or there may be no traffic on the LAN. Check the Ethernet cable connection.

LED	State	Description
Collision (10BaseT)	On	Data collisions are being detected. Occasional collisions are normal. If they happen often, contact your system administrator.
	Off	Data collisions are not being detected.
Link OK (10BaseT)	On	The router senses the Ethernet link integrity signal, indicating normal operation.
	Off	The router is not sensing the Ethernet link integrity signal. Check the Ethernet cable connection.

For more complete network troubleshooting information, refer to the *Troubleshooting Internetworking Systems* publication.